

## ABSTRACT

A photoresist composition encompassing a polymer having at least one polycyclic olefin repeat unit having a desired exo mole percent is provided, where the repeat unit is derived from a polycyclic olefin monomer having the desired exo mole percent. Such polymers having such repeat units having a desired exo mole percent offer control of differential dissolution rate and hence provide enhanced imaging properties. Exemplary monomers having a desired exo mole percent are also provided